

IMPROVED SYSTEM FOR HOT PRESSING
CELLULOSIC AND LIGNOCELLULOSIC MATS

Abstract of the Disclosure

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A system for pressing lignocellulosic and/or cellulosic materials to produce composite products such as medium density fiberboard subjects a mat of material to alternating or vibratory forces applied to a face surface of the mat. The frequency of the alternating forces may be between 0.2 Hz and 2Hz. This vibratory pressing action
10 causes heat to be transferred more quickly to the core of the mat from the surface, and reduces the pressing time required for thermosetting resins within the mat to cure. The system comprises a press for accepting the mat; a sensor for sensing a parameter indicative of heat in the core of the mat; and a control system for controlling the application of vibratory and non-vibratory forces to the mat.

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